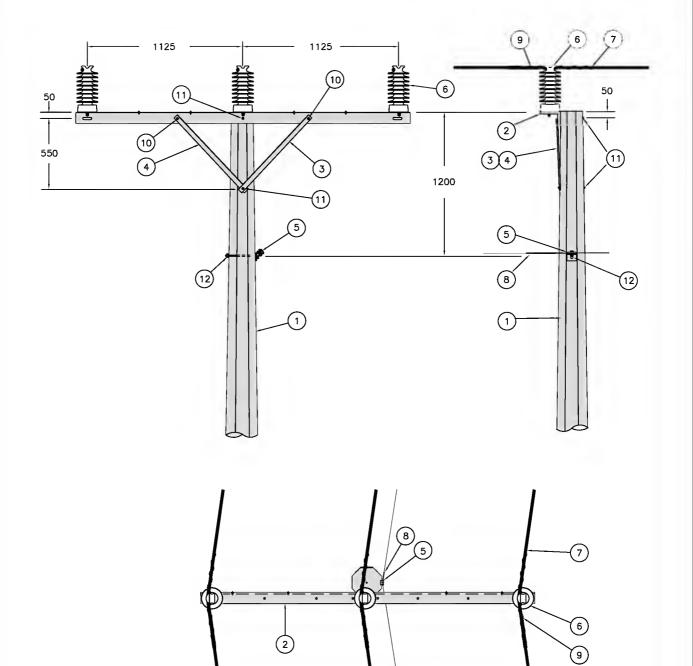


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DRW.029-OC12SFS, 12M, SELF SUPPORT S.C. LIGHT ANGLE STRUC. 6°-15°



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SERIAL	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
NO.	1	OC12SFS - 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set		20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set		20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	-		Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.029A-OC12SFS, 12M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
14	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
		CT AAmono Q ACCD /AW OTTATI		
		67.44mm2 ACSR/AW, QUAIL		<u></u>

DRW.029B-OC12SFS, 12M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. $6^{\circ}-15^{\circ}$ FOR QUAIL MAIN CONDUCTOR



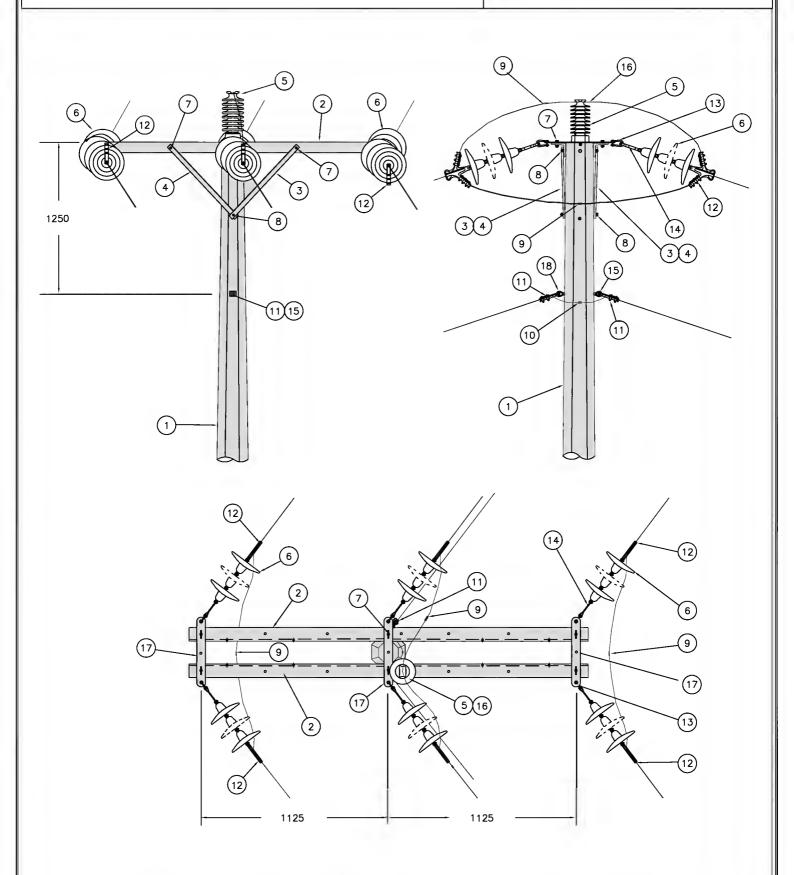
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DRW:030-OC12SFS, 12M, SELF SUPPORT, SINGLE CIRCUIT MEDIUM & HEAVY ANGLE STRUCTURES, 16°-90°



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	2	Crossarm - L 100x100x12x2400mm L.G.		Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	25M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
		170.5mm2 ACSR/AW, MERLIN		

DRW.030A-OC12SFS,12M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR MERLIN MAIN CONDUCTOR



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01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02 Fig. 35 20-SDMS-02 Fig. 7 20-SDMS-02 Fig. 19 20-SDMS-02 Fig. 49/3	
17	3	Double Arming Plate, 100x12x700mm		
18	1	Eye Nut For M20		
19	1 Set	Danger Sign Plate Complete With Its Accessories		
20	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02 Fig. 13	
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
			_	
		67.44mm2 ACSR/AW, QUAIL		

DRW.030B-OC12SFS, 12M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR QUAIL MAIN CONDUCTOR

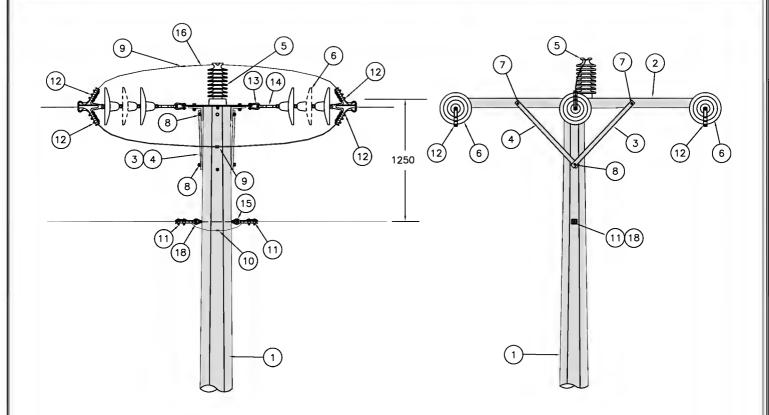


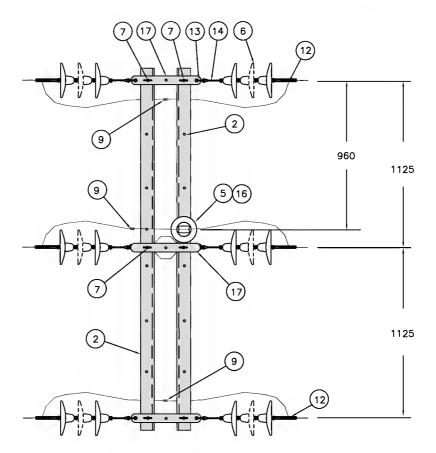
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DRW.031-OC12SFS, 12M, SELF SUPPORT, S.C. SECTION STRUCTURE



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION REFEREN		NCES	
01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-S0MS-01	Page 40	
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01	
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15	
08	2	Mochine Bolt, M20x310mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15	
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39	
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29	
13	6	Anchor Shockle	20-S0MS-02	Fig. 20	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17	
16	1	Preformed Line Post Insulotor Top Tie For Merlin 170.5mm2 ACSR/AW	20-SDMS-02	Fig. 35	
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 7	
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19	
19	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50	
20	25M	Anti-Climbing Device, Borbed Wire	20-S0MS-02	Fig. 13	
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13	
22	1 Set	Pole Numbering Bose Plote	20-S0MS-02	Fig. 51	
23	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51	
-		170.5mm2 ACSR/AW, MERLIN			
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DRW.031A-OC12SFS, 12M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		NCES
01	1	OC12SFS - 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1 Preformed Line Post Insulator Top Tie For Quail ACSR/AW 3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 35
17			20-SDMS-02	Fig. 7
18	1	1 Eye Nut For M20		Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
				-
		67.44mm2 ACSR/AW, QUAIL		

DRW.031B-OC12SFS, 12M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR QUAIL MAIN CONDUCTOR

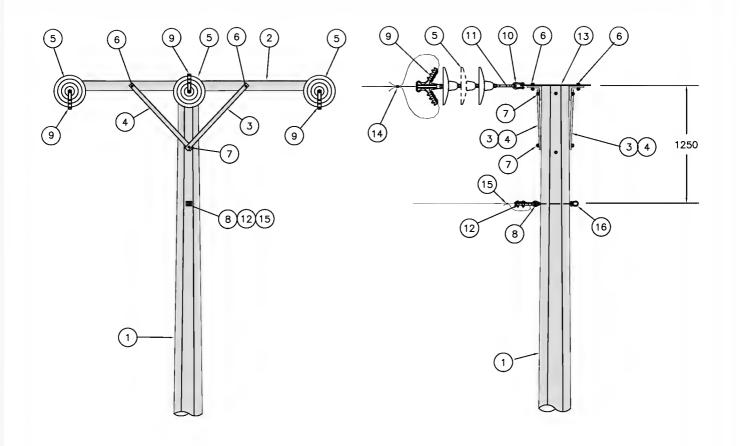


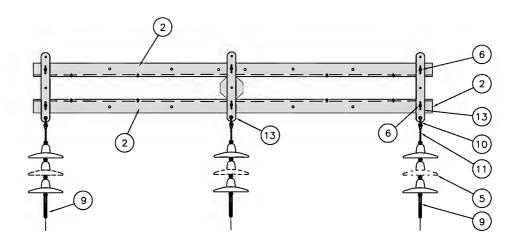
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DRW.032-OC12SFS, 12M, SELF SUPPORT, S.C. TERMINAL STRUCTURE



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS		Page 23
06	10			Fig. 15
07	2			Fig. 15
80	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
18	25M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
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		170.5mm2 ACSR/AW, MERLIN		

DRW.032A-OC12SFS, 12M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR MERLIN MAIN CONDUCTOR



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20-SDMS 2 Brace - L 50x50x4x828mm L.G. 20-SDMS 3 2 Brace - L 50x50x4x828mm L.G. With One End Clipped 20-SDMS 4 2 Brace - L 50x50x4x828mm L.G. With One End Clipped 20-SDMS 5 3 Set Suspension Insulator 15-SDMS 6 10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 7 2 Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 8 1 Strain Clamp, Straight Line Deadend Type for Quail 20-SDMS 9 3 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS 10 3 Anchor Shackle 20-SDMS 11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 20 SDMS Pole Numbering Base Plate 20-SDMS	SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		REFERENCES	
03 2 Brace - L 50x50x4x828mm L.G. 20-SDMS 04 2 Brace - L 50x50x4x828mm L.G. With One End Clipped 20-SDMS 05 3 Set Suspension Insulator 15-SDMS 06 10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 07 2 Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 08 1 Strain Clamp, Straight Line Deadend Type for Quail 20-SDMS 09 3 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS 10 3 Anchor Shackle 20-SDMS 11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 <td< th=""><th>01</th><th>1</th><th>OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit</th><th>20-SDMS-01</th><th>Page 40</th></td<>	01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40	
042Brace - L 50x50x4x828mm L.G. With One End Clipped20-SDMS053 SetSuspension Insulator15-SDMS0610Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer20-SDMS072Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer20-SDMS081Strain Clamp, Straight Line Deadend Type for Quail20-SDMS093Strain Clamp, 3 U-Bolts Type for Quail20-SDMS103Anchor Shackle20-SDMS113Clevis Eye Extension20-SDMS121Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers20-SDMS133Double Arming Plate, 100x12x700mm20-SDMS143Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor20-SDMS151Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor20-SDMS161Eye Nut for M2020-SDMS171 SetDanger Sign Plate Complete With Its Accessories20-SDMS1825MAnti-Climbing Device, Barbed Wire20-SDMS201 SetPole Numbering Base Plate20-SDMS	02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
3 Set Suspension Insulator 15–SDMS 10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20–SDMS 10 Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20–SDMS 11 Strain Clamp, Straight Line Deadend Type for Quail 20–SDMS 12 Strain Clamp, 3 U–Bolts Type for Quail 20–SDMS 13 Clevis Eye Extension 20–SDMS 14 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20–SDMS 15 Double Arming Plate, 100x12x700mm 20–SDMS 16 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20–SDMS 17 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20–SDMS 18 25M Anti-Climbing Device, Barbed Wire 20–SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20–SDMS 20–SDMS	03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 2 Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS 3 Strain Clamp, Straight Line Deadend Type for Quail 20-SDMS 20-SDMS 3 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS 20-SDMS 3 Anchor Shackle 20-SDMS 20-SDMS 20-SDMS 3 Clevis Eye Extension 20-SDMS	04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
072Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer20-SDMS081Strain Clamp, Straight Line Deadend Type for Quail20-SDMS093Strain Clamp, 3 U-Bolts Type for Quail20-SDMS103Anchor Shackle20-SDMS113Clevis Eye Extension20-SDMS121Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers20-SDMS133Double Arming Plate, 100x12x700mm20-SDMS143Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor20-SDMS151Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor20-SDMS161Eye Nut for M2020-SDMS171SetDanger Sign Plate Complete With Its Accessories20-SDMS1825MAnti-Climbing Device, Barbed Wire20-SDMS192Buckle Type, Locking Clip for Barbed Wire20-SDMS201SetPole Numbering Base Plate20-SDMS	05	3 Set	Suspension Insulator	15-SDMS-01	Page 23	
1 Strain Clamp, Straight Line Deadend Type for Quail 20-SDMS 3 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS 10 3 Anchor Shackle 20-SDMS 11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20-SDMS	06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
3 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS 10 3 Anchor Shackle 20-SDMS 11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20-SDMS	07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
10 3 Anchor Shackle 20-SDMS 11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20-SDMS	80	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
11 3 Clevis Eye Extension 20-SDMS 12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20-SDMS	09	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
12 1 Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS 13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20-SDMS	10	3	Anchor Shackle	20-SDMS-02	Fig. 20	
13 3 Double Arming Plate, 100x12x700mm 20-SDMS 14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21	
14 3 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	12	1			Fig. 17	
15 1 Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor 20-SDMS 16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	13	3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 07	
16 1 Eye Nut for M20 20-SDMS 17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	14			20-SDMS-02	Fig.	
17 1 Set Danger Sign Plate Complete With Its Accessories 20-SDMS 18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.	
18 25M Anti-Climbing Device, Barbed Wire 20-SDMS 19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	16	1	1 Eye Nut for M20		Fig. 19	
19 2 Buckle Type, Locking Clip for Barbed Wire 20-SDMS 20 1 Set Pole Numbering Base Plate 20-SDMS	17			20-SDMS-02	Fig. 49/	
20 1 Set Pole Numbering Base Plate 20-SDMS	18			20-SDMS-02	Fig. 13	
3	19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
21 Set Pole Numbering Plates 20-SDMS	20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
	21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
67.44mm2 ACSR/AW, QUAIL						

DRW.032B-OC12SFS, 12M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR QUAIL MAIN CONDUCTOR



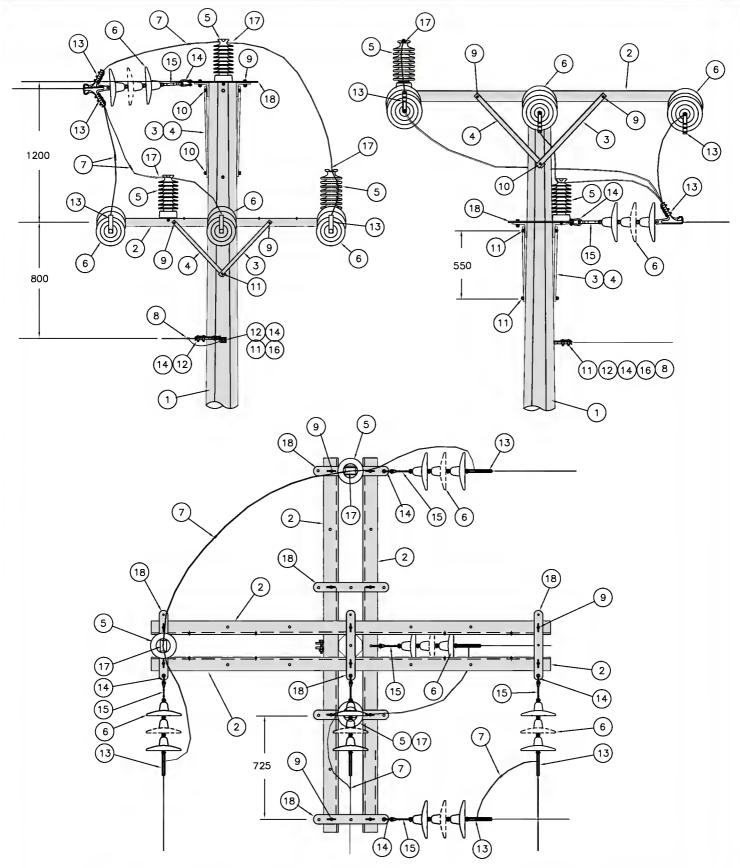
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DRW.033-OC12SFS, 12M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES	
01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40	
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
14	8	Anchor Shackle	20-SDMS-02	Fig. 20	
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35	
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
21	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm ACSR/AW, MERLIN			
		· ·	I	1	

DRW.033A-OC12SFS, 12M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR MERLIN MAIN & MERLIN



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01	1	OC12SFS — 12 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 40
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	25M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7 7				
		67.44mm2 ACSR/AW, QUAIL		

DRW.033B-OC12SFS, 12M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR QUAIL MAIN & QUAIL

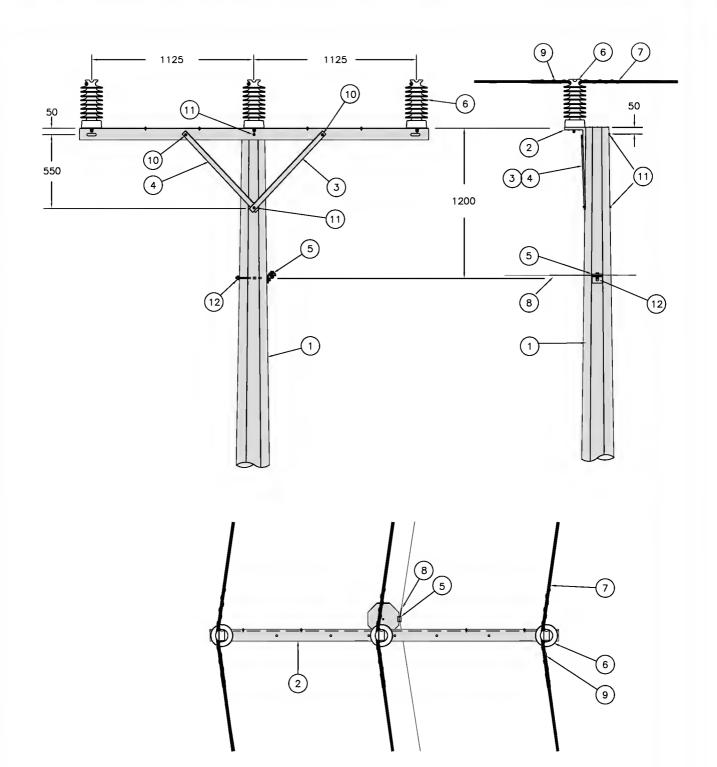


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DRW.034-OC13SFS, 13M, SELF SUPPORT S.C. LIGHT ANGLE STRUC. 6°-15°



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13SFS — 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
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DRW.034A-OC13SFS, 13M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR MERLIN MAIN CONDUCTOR



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01	1	OC13SFS — 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	_			
		67.44mm2 ACSR/AW, QUAIL		
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DRW.034B-OC13SFS, 13M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR QUAIL MAIN CONDUCTOR



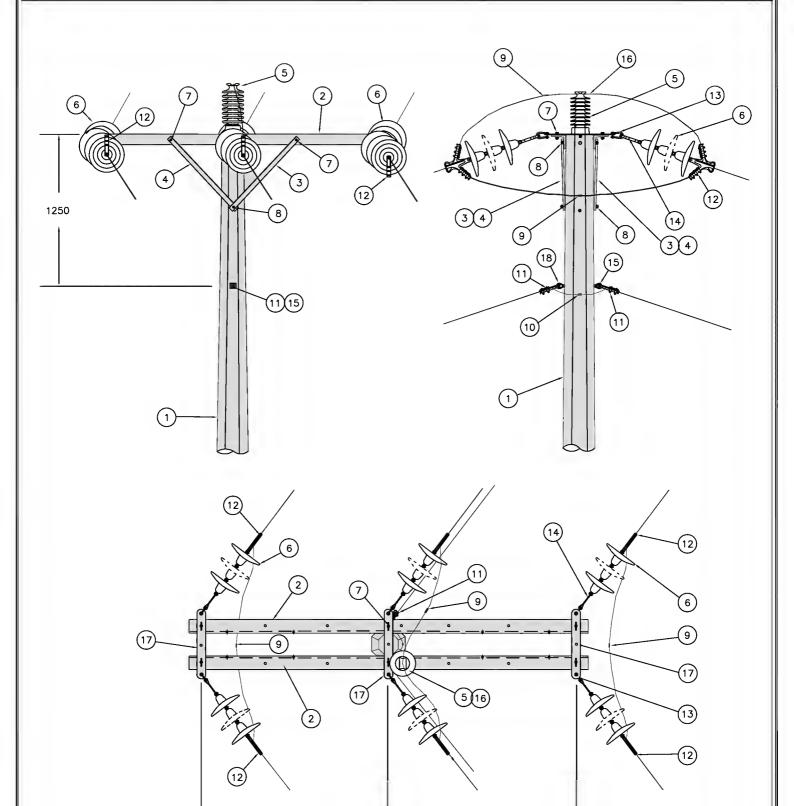
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DRW:035-OC13SFS, 13M, SELF SUPPORT, SINGLE CIRCUIT MEDIUM & HEAVY ANGLE STRUCTURES, 16°-90°



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02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
20	27M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.035A-OC13SFS,13M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR MERLIN MAIN CONDUCTOR



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02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.035B-OC13SFS, 13M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR QUAIL MAIN CONDUCTOR



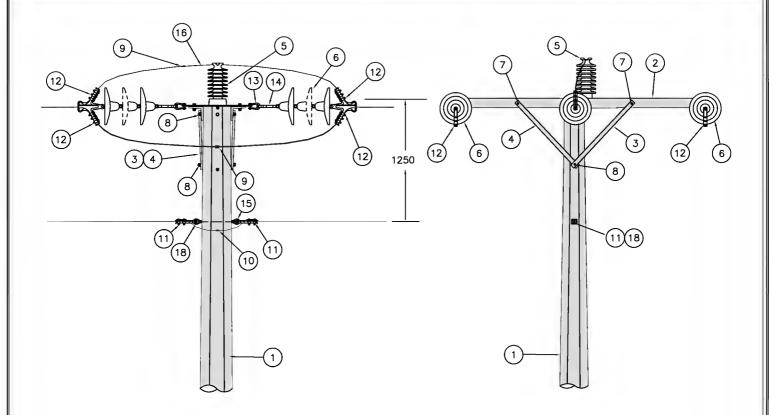
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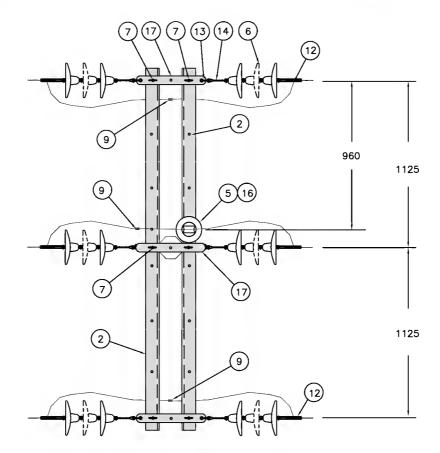
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DRW.036-OC13SFS, 13M, SELF SUPPORT, S.C. SECTION STRUCTURE



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS — 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-S0MS-01	Page 41
02	2	Crossorm — L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	2	Mochine Bolt, M20x310mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29
13	6	Anchor Shockle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Merlin 170.5mm2 ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19
19	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50
20	27M	Anti-Climbing Device, Borbed Wire	20-S0MS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Bose Plote	20-S0MS-02	Fig. 51
23	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
-			_	
-		170.5mm2 ACSR/AW, MERLIN		

DRW.036A-OC13SFS, 13M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS - 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	27M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	+			
		67.44mm2 ACSR/AW, QUAIL		

DRW.036B-OC13SFS, 13M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR QUAIL MAIN CONDUCTOR



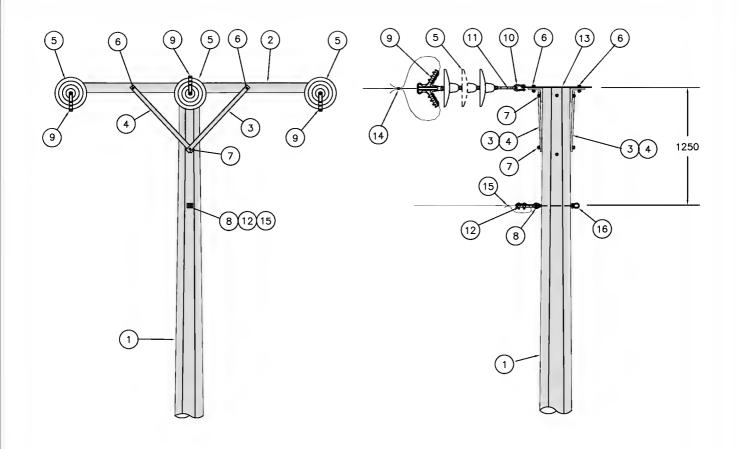
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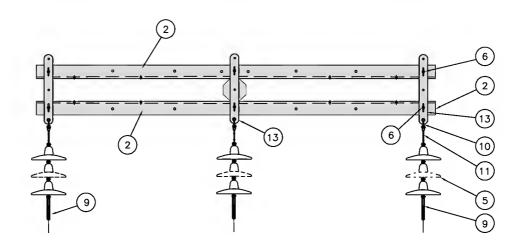
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DRW.037-OC13SFS, 13M, SELF SUPPORT, S.C. TERMINAL STRUCTURE



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS - 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
18	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
		170.5mm2 ACSR/AW, MERLIN		

DRW.037A-OC13SFS, 13M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS - 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
18	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7		67.44mm2 ACSR/AW, QUAIL		

DRW.037B-OC13SFS, 13M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR QUAIL MAIN CONDUCTOR

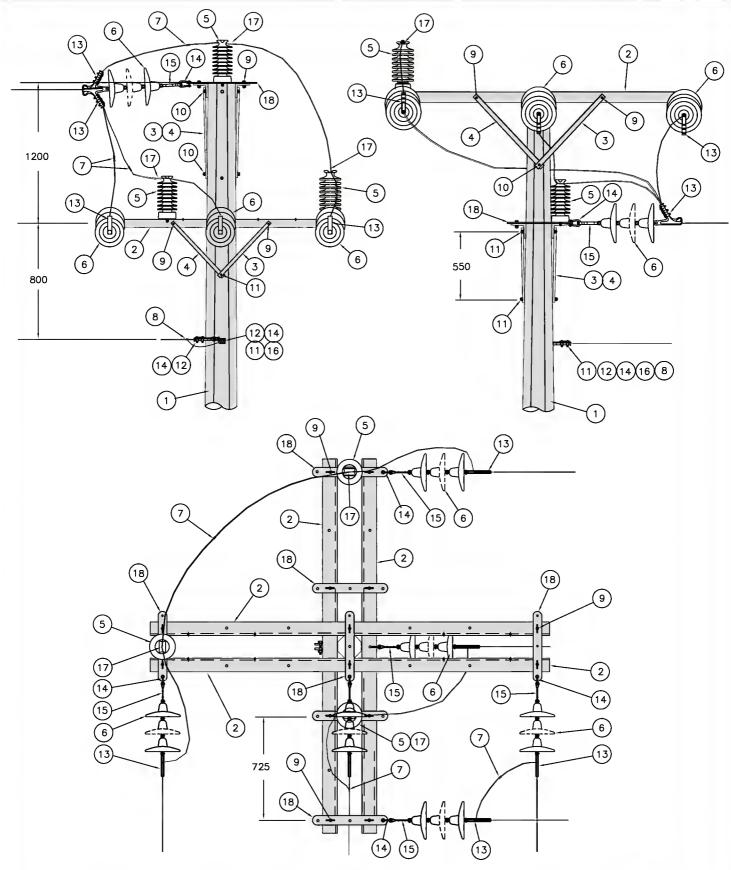


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DRW.038-OC13SFS, 13M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE



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NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS — 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm ACSR/AW, MERLIN		
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DRW.038A-OC13SFS, 13M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR MERLIN MAIN & MERLIN



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13SFS - 13 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 41
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	27M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
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				<u> </u>
<u> </u>		67.44mm2 ACSR/AW, QUAIL		

DRW.038B-OC13SFS, 13M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR QUAIL MAIN & QUAIL



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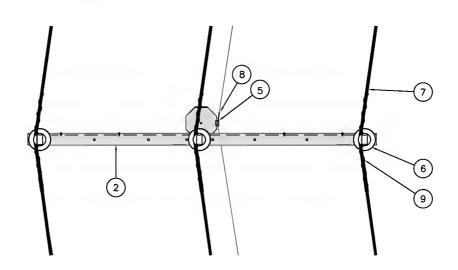
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DRW.039-OC14SFS, 14M, SELF SUPPORT S.C. LIGHT ANGLE STRUC. 6°-15°



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01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/
14	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
		<u> </u>	-	
		170.5mm2 ACSR/AW, MERLIN		

DRW.039A-OC14SFS, 14M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES	
01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42	
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
14	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
			-		
		67.44mm2 ACSR/AW, QUAIL			
	<u> </u>	•			

DRW.039B-OC14SFS, 14M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR QUAIL MAIN CONDUCTOR

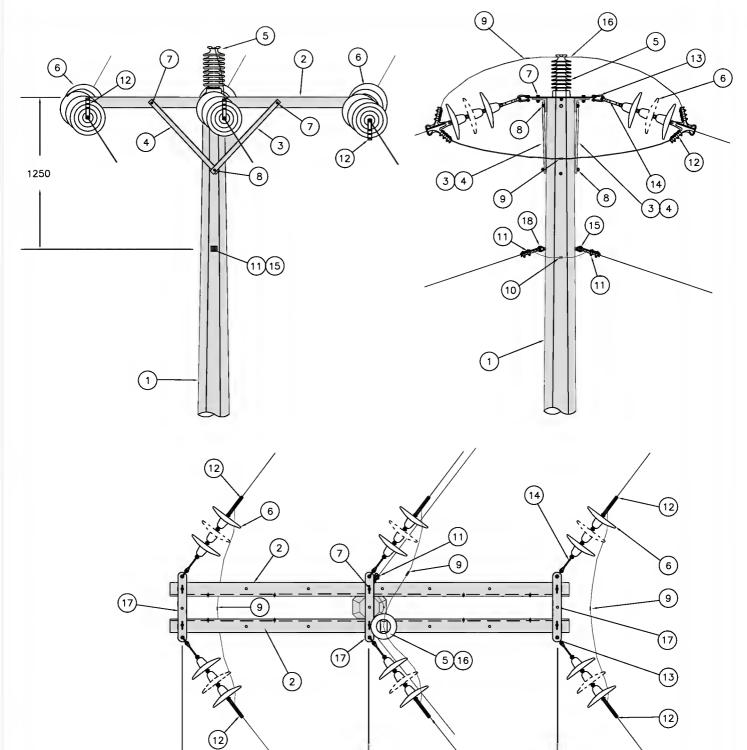


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DRW:040-OC14SFS, 14M, SELF SUPPORT, SINGLE CIRCUIT MEDIUM & HEAVY ANGLE STRUCTURES, 16°-90°



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14SFS - 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.040A-OC14SFS,14M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
				0
		67.44mm2 ACSR/AW, QUAIL		

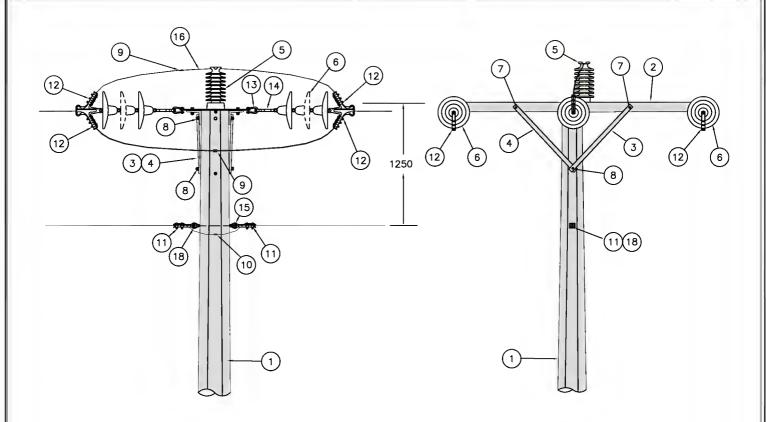
DRW.040B-OC14SFS, 14M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR QUAIL MAIN CONDUCTOR

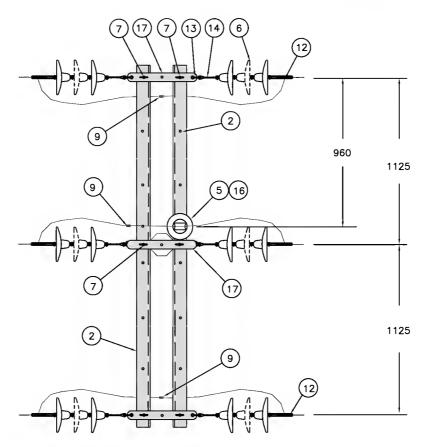


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DRW.041-OC14SFS, 14M, SELF SUPPORT, S.C. SECTION STRUCTURE



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01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-S0MS-01	Page 42
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	2	Mochine Bolt, M20x310mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29
13	6	Anchor Shockle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Merlin 170.5mm2 ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19
19	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50
20	29M	Anti-Climbing Device, Borbed Wire	20-S0MS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Bose Plote	20-S0MS-02	Fig. 51
23	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.041A-OC14SFS, 14M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR MERLIN MAIN CONDUCTOR



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01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
20	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
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		67.44mm2 ACSR/AW, QUAIL		

DRW.041B-OC14SFS, 14M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR QUAIL MAIN CONDUCTOR



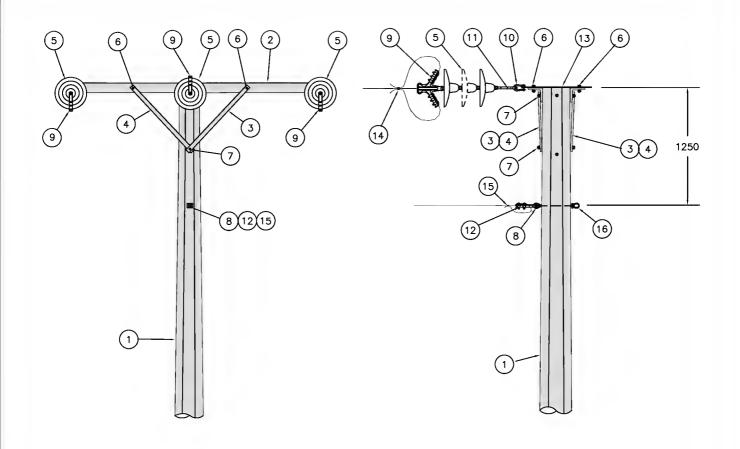
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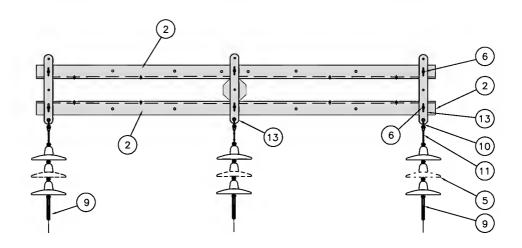
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DRW.042-OC14SFS, 14M, SELF SUPPORT, S.C. TERMINAL STRUCTURE



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NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/
18	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51

DRW.042A-OC14SFS, 14M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
18	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.042B-OC14SFS, 14M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR QUAIL MAIN CONDUCTOR

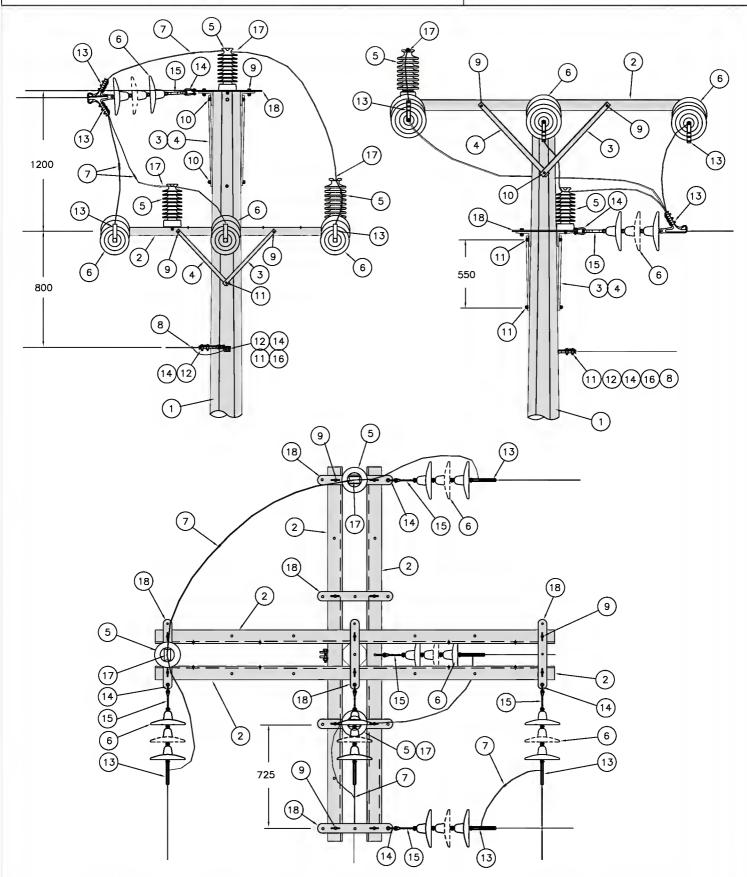


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DRW.043-OC14SFS, 14M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE



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01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm ACSR/AW, MERLIN		

DRW.043A-OC14SFS, 14M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR MERLIN MAIN & MERLIN



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14SFS — 14 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 42
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
80	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	29M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.043B-OC14SFS, 14M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR QUAIL MAIN & QUAIL

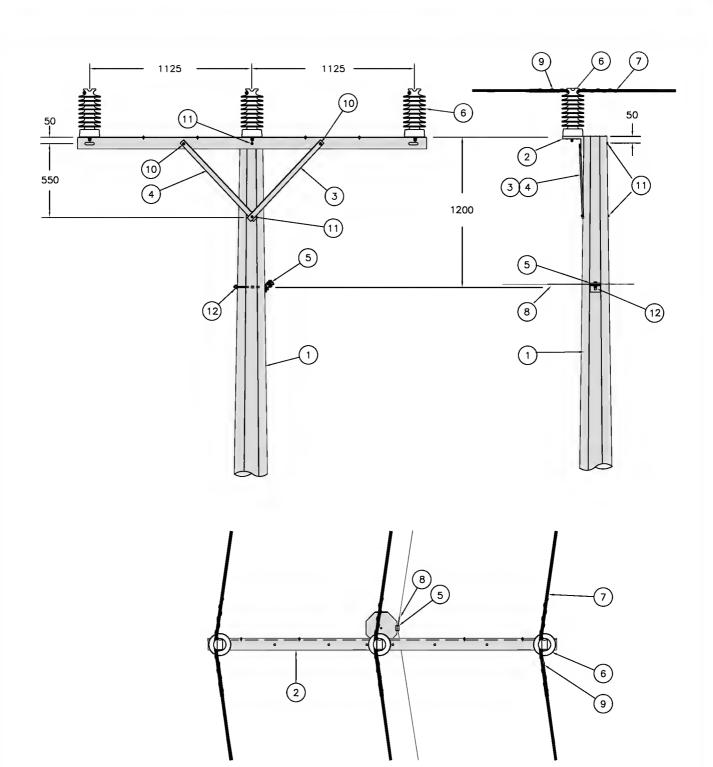


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DRW.044-OC15SFS, 15M, SELF SUPPORT S.C. LIGHT ANGLE STRUC. 6°-15°



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
80	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	-			
		170.5mm2 ACSR/AW, MERLIN		

DRW.044A-OC15SFS, 15M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
80	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x365mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

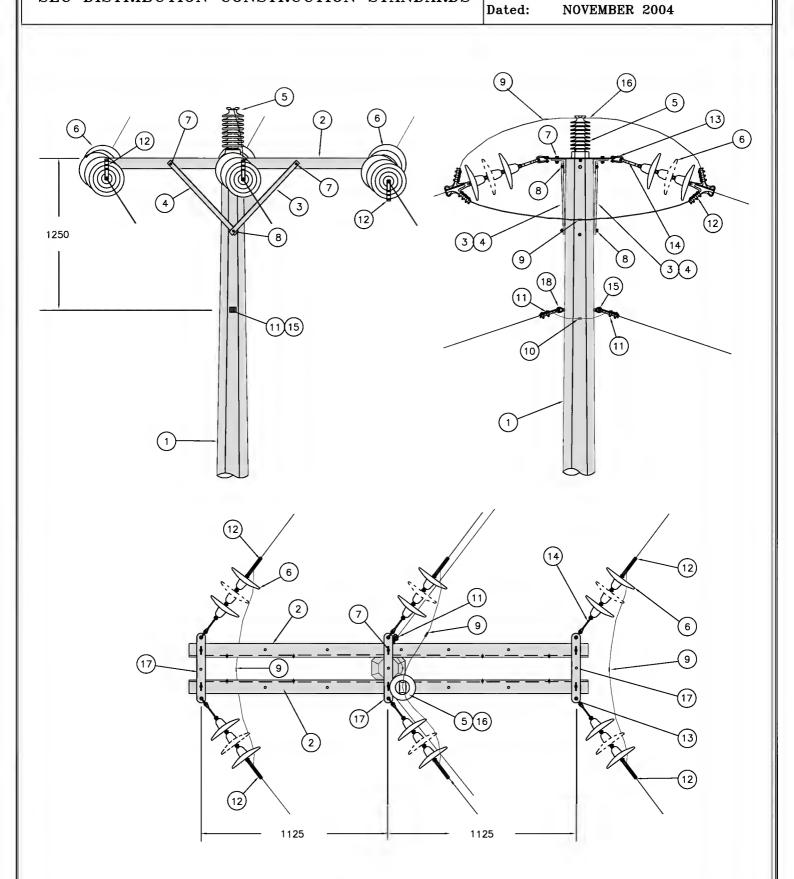
DRW.044B-OC15SFS, 15M, SELF SUPPORT, S.C. LIGHT ANGLE STRUC. 6°-15° FOR QUAIL MAIN CONDUCTOR



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DRW:045-OC15SFS, 15M, SELF SUPPORT, SINGLE CIRCUIT MEDIUM & HEAVY ANGLE STRUCTURES, 16°-90°



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01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	04 2 Brace - L 50x50x4x828mm L.G. With One End Clipped 2 05 1 Line Post Insulator 1		20-SDMS-02	Fig. 04
05			15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	31M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
		170.5mm2 ACSR/AW, MERLIN		

DRW.045A-OC15SFS,15M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR MERLIN MAIN CONDUCTOR



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01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	04 2 Brace - L 50x50x4x828mm L.G. With One End Clipped		20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
20	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
			_	
		67.44mm2 ACSR/AW, QUAIL		

DRW.045B-OC15SFS, 15M, SELF SUPPORT, S.C. MEDIUM & HEAVY ANGLE STRUCTURE 16°-90° FOR QUAIL MAIN CONDUCTOR

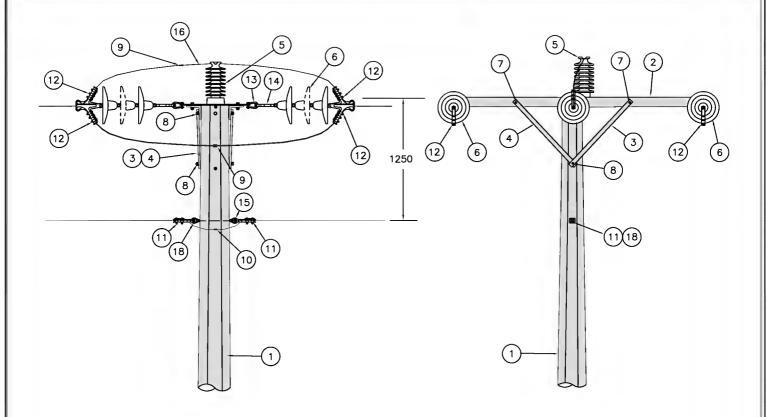


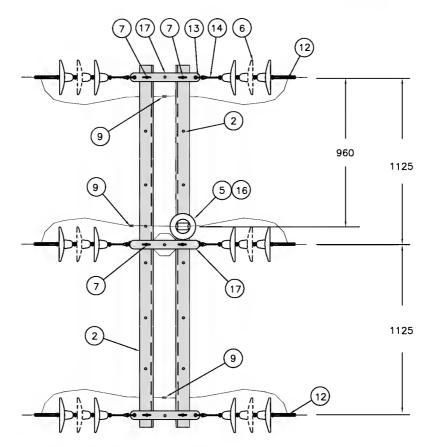
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DRW.046-OC15SFS, 15M, SELF SUPPORT, S.C. SECTION STRUCTURE



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SERIAL NO. BILL OF MATERIALS DESCRIPTION REI		REFERE	NCES	
01	1	OC15SFS — 15 Meter Steel Pale, Self Suppart, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	03 2 Brace — L 50x50x4x828mm L.G.		20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Past Insulatar	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Balt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Graave Camp. Cannectar far 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type far Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchar Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21
15	1	Shaulder Eye Balt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Prefarmed Line Past Insulatar Tap Tie Far Merlin 170.5mm2 ACSR/AW	20-SDMS-02	Fig. 35
17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut Far M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Camplete With Its Accessories	20-SDMS-02	Fig. 49/50
20	31M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Lacking Clip far Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pale Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
		,,		

DRW.046A-OC15SFS, 15M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15SFS - 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulator 15		Fig. 04
05	1			Clause 4.2.8
06	6 Set	Suspension Insulator 15-:		Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.4mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x365mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	31M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.046B-OC15SFS, 15M, SELF SUPPORT, S.C. SECTION STRUCTURE FOR QUAIL MAIN CONDUCTOR

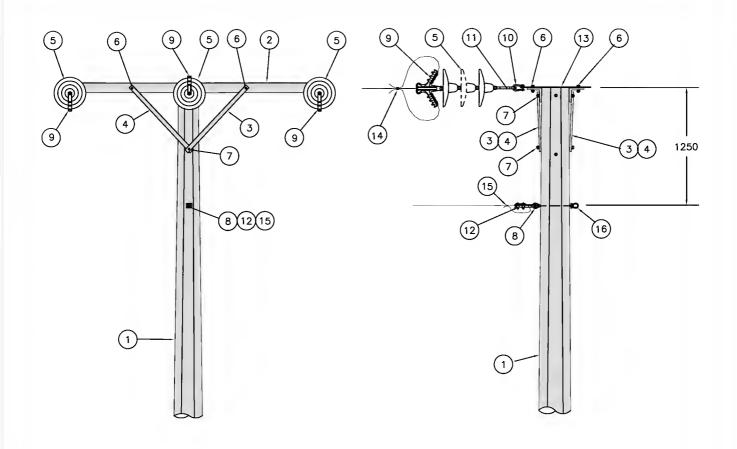


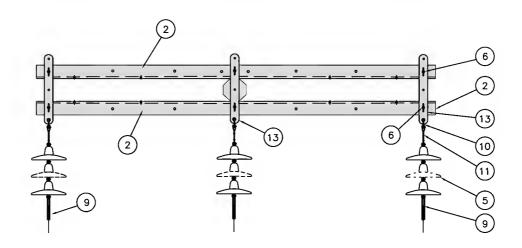
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01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03 2 Brace — L 50x50x4x828mm L.G.		20-SDMS-02	Fig. 04	
04 2 Brace — L 50x50x4x828mm L.G. With One End Clipped		20-SDMS-02	Fig. 04	
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	17 1 Set Danger Sign Plate Complete With Its Accessories		20-SDMS-02	Fig. 49/5
18	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.047A-OC15SFS, 15M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR MERLIN MAIN CONDUCTOR



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NO.	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	
07	2	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15 Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
10	3	Anchor Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x365mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
18	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
19	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
20	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
21	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
			-	
		67.44mm2 ACSR/AW, QUAIL		

DRW.047B-OC15SFS, 15M, SELF SUPPORT, S.C. TERMINAL STRUCTURE FOR QUAIL MAIN CONDUCTOR

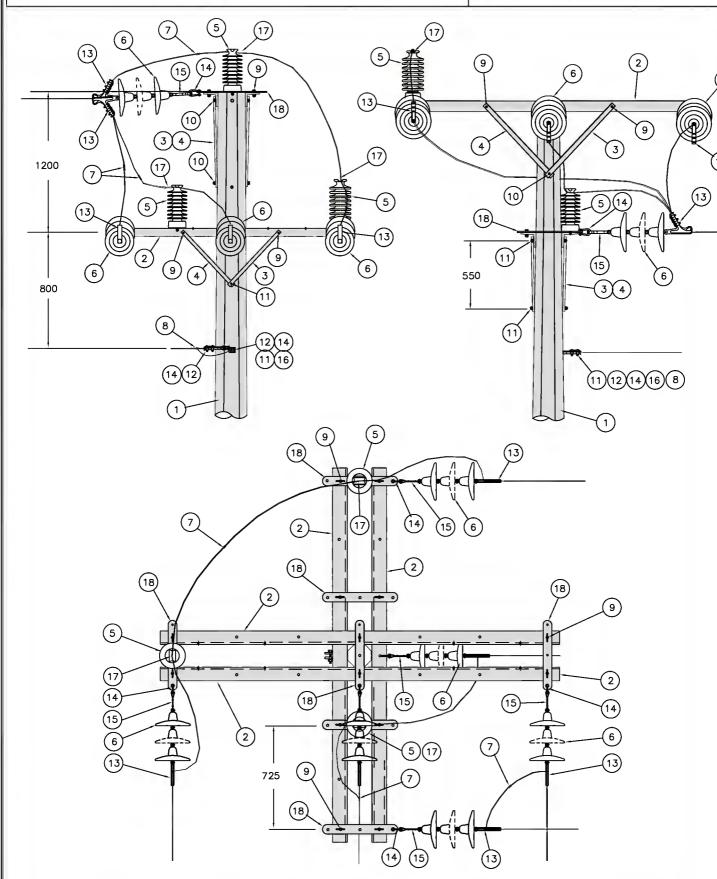


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DRW.048-OC15SFS, 15M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE



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01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43	
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
14	8	Anchor Shackle	20-SDMS-02	Fig. 20	
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35	
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
21	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm ACSR/AW, MERLIN			

DRW.048A-OC15SFS, 15M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR MERLIN MAIN & MERLIN



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NO.	QTY	Y BILL OF MATERIALS DESCRIPTION REFERENCE		NCES
01	1	OC15SFS — 15 Meter Steel Pole, Self Support, HDG, Single Circuit	20-SDMS-01	Page 43
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x365mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig.07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	31M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.048B-OC15SFS, 15M, SELF SUPPORT, S.C. DOUBLE TERMINAL AT 90° STRUCTURE FOR QUAIL MAIN & QUAIL